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GAMMA RAY SPECTRAL ANALYSIS: A SELECTED BIBLIOGRAPHY

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TABLE OF CONTENTS

	Page
I. Description	1
II. Bibliography	2
III. Author Index	17

I. DESCRIPTION

The Radiological Safety Department of the Armed Forces Radiobiology Research Institute is utilizing a gamma ray spectrometer system for the analysis of environmental and neutron irradiated material samples for radioisotope constituency. Computer analysis techniques and their applicability to our situation are under consideration. This bibliography is a collection of references which deals with the analysis of gamma spectra by all methods. Entries are limited to those sources which deal with the actual analysis phase of gamma spectroscopy but some details are present concerning equipment and sample preparation because many groups have published systems in their entirety. In every case, however, there is a section on data analysis after acquisition. Some references contain theoretical material necessary for the development of an operating system, or the results of studies of theoretical methods.

All of the references included are contained in the period from 1956 to 1966. All references are in English, and, where possible, journal entries are listed in preference to institutional reports. All entries were examined for content and accuracy of citation. Listings for publications use the 1963 standard for periodical title abbreviations of the American Standards Association.

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III. AUTHOR INDEX

<u>Author</u>	<u>Bibliography number</u>	<u>Page</u>	<u>Author</u>	<u>Bibliography number</u>	<u>Page</u>
Alexander, T.	24	5	Ferguson, A. J.	26	5
Anders, O. U.	1	2	Fessler, T. E.	65	10
Anger, H. O.	2	2	Fite, L. E.	9	3
Beamer, W. H.	1	2		27	5
Beck, H. L.	3	2		28	5
Berger, M. J.	4	2		98	15
Bill, A.	5	2	Freiling, E. C.	29	5
Blackburn, J. A.	6	2	Gibbons, D.	9	3
Boekelheide, I. F.	7	2		27	5
Borella, A.	8	3	Gipson, D. H.	77	12
Borgholthaus, D.	43	7	Golay, M. J. E.	82	13
Brauer, F. P.	67	11	Gold, R.	30	6
Breen, W. M.	9	3		31	6
Bunney, L. R.	29	5		32	6
Burrus, W. R.	10	3	Goldin, A. S.	35	6
Carnahan, C. L.	11	3	Green, L. E. S.	88	13
Carr, W. E.	12	3	Greenfield, M. A.	33	6
Cazier, G. A.	41	7	Guinn, V. P.	34	6
	42	7	Guzzi, G.	8	3
Childers, H. M.	13	3	Hagee, G. R.	35	6
Choy, S. C.	14	3	Hall, W. S.	53	9
Condon, W. J.	3	2	Hallden, N. A.	36	6
Connally, R. E.	16	4	Harley, J. H.	36	6
Cormack, D. V.	79	12	Heath, R. L.	37	6
Covell, D. F.	17	4		38	7
	18	4		39	7
	19	4		40	7
Crasemann, B.	20	4		41	7
Davis, D. H.	2	2		42	7
Davis, W., Jr.	84	13		77	12
Dean, P. N.	21	4		97	15
Detenbeck, R. W.	22	4	Helmer, R. G.	41	7
Doggett, J.	4	2		42	7
Downham, T.	63	10		77	12
Dyer, F. F.	24	5	Heneveld, W. H.	43	7
Easterday, H.	20	4	Horwood, J. L.	44	7
Elleman, T. S.	23	5	Howes, J. E., Jr.	23	5
Emery, J. F.	24	5	Hubbell, J. H.	45	8
Engelkemeir, D.	25	5	Johns, H. E.	88	13
Favale, A. J.	68	11	Johnston, B.	100	15

<u>Author</u>	<u>Bibliography number</u>	<u>Page</u>
Julke, R. T.	46	8
Karches, G. J.	35	6
Kibbey, A. H.	84	13
Kloepper, R. M.	93	14
Koch, H. W.	91	14
Kockum, J.	47	8
Koontz, R. L.	33	6
Kuykendall, W. E.	48	8
	49	8
Lazar, N. H.	50	8
Lee, W.	51	8
Low, K.	52	9
Lowder, W. M.	3	2
Lucas, H. F.	72	11
McWilliams, P.	53	9
Marsden, L. L.	97	15
Menon, M. P.	98	15
Mercer, A.	63	10
Metcalf, D. D.	42	7
Michael, D. N.	55	9
Miller, C. E.	56	9
Miller, W. F.	57	9
	58	9
	59	10
Mollenauer, J. F.	60	10
Monahan, J. E.	46	8
	61	10
	62	10
Monk, R. G.	63	10
Moran, H. S.	103	15
Morrison, D. L.	64	10
Need, J. L.	65	10
Nicholson, W. L.	66	10
	67	11
Nostrand, J. W., Jr.	68	11
Obrink, K. J.	5	2
	69	11
Olson, D. G.	70	11
Overman, R. F.	71	11
Parr, R. M.	72	11
Pasternack, B. S.	73	11

<u>Author</u>	<u>Bibliography number</u>	<u>Page</u>
Perkel, D. H.	74	12
Perl, W.	75	12
Putman, J. L.	76	12
Putnam, M.	77	12
Raboy, S.	46	8
	61	10
	62	10
Rand, R. E.	78	12
Rawson, E. G.	79	12
Read, P. A.	80	12
Reynolds, J.	57	9
	58	9
Rivers, W. K., Jr.	90	14
Salmon, L.	81	12
Savitzky, A.	82	13
Schlosser, J. E.	67	11
Schluter, R. A.	55	9
Schmitt, R. A.	14	3
Schmittroth, L. A.	41	7
Schonfeld, E.	24	5
	83	13
	84	13
Schunicht, B. F.	85	13
Scofield, N. E.	45	8
	86	13
Shumway, R. H.	87	13
Skarsgard, L. D.	88	13
Snow, W. J.	57	9
	58	9
	59	10
	89	14
Stanford, A. L., Jr.	90	14
Starfelt, N.	47	8
	91	14
Steele, E. L.	28	5
Steinberg, E. P.	92	14
Strickfaden, W. B.	93	14
Sunderman, D. N.	23	5
	64	10
Taylor, W. H.	76	12
Tomnovec, F. M.	80	12

<u>Author</u>	<u>Bibliography number</u>	<u>Page</u>
Trail, C. C.	46	8
	61	10
	62	10
Uhlig, R. P.	96	15
Ulfendahl, H. R.	5	2
	69	11
Vegors, S. H., Jr.	97	15
Wagner, C. D.	34	6
Wainerdi, R. E.	9	3
	27	5
	28	5
	48	8
	49	8
	98	15
Watson, B. T.	99	15
Wegner, H. E.	53	9
West, H. I.	100	15
Wiedenbeck, M. L.	101	15
Winton, H.	68	11
Woods, R. M., Jr.	101	15
Yule, H. P.	102	15
Zerby, C. D.	103	15
Zimmer, W. H.	104	16

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